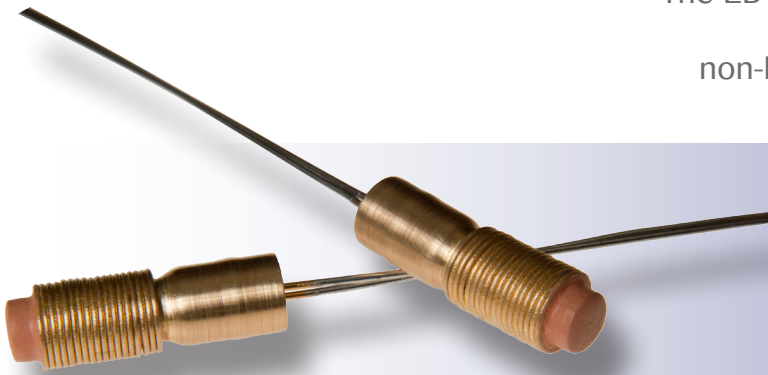


# EB-401-2 Bellows Actuator

The EB-401-2 Bellows Actuator is a pyrotechnic-actuated device that produces linear or non-linear motion with a relatively long stroke.



*When actuated, the bellows expands following any straight, arcuate, or other path established by surrounding surfaces. It is hermetically sealed and holds its extended position under load.*

## Variations

Variations are possible in stroke, length, radius of curvature, force, shape of the bellows nose, firing characteristics and environmental resistance.

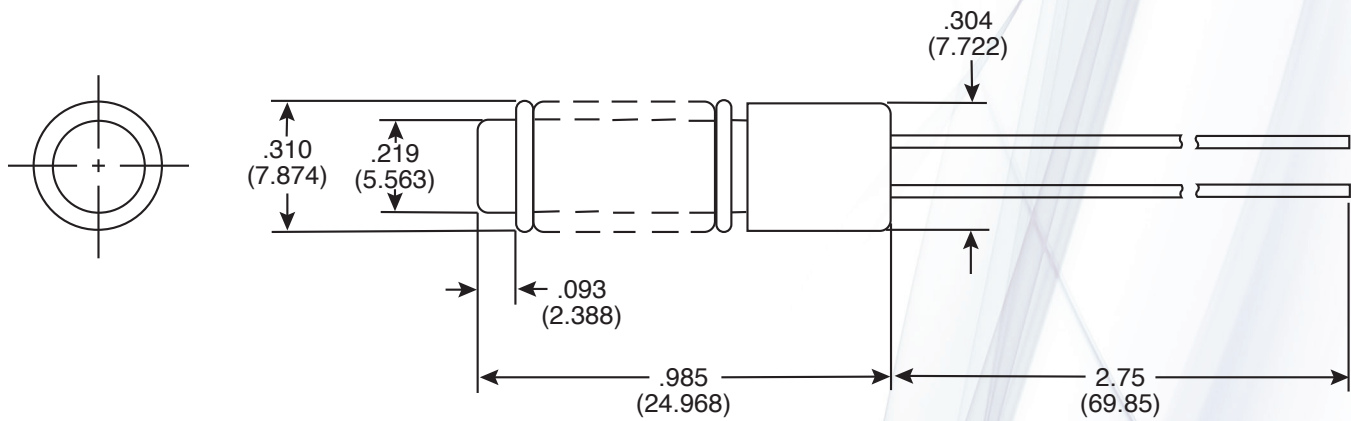
## Characteristics

Some of the characteristics listed here are nominal; others are levels to which the units have been tested. There are no limits on design capabilities. Please consult an EaglePicher representative before using this data as a specification.

Specifications	
Electrical	
Bridge Resistance @ 70°F (21°C)	7.0±2.0 ohm
All-fire Current	0.68 microfarad capacitor charged to 38.5 ± 0.5 Vdc (5000 erg minimum).
Insulation Resistance @ 500 Vdc, Shunted Leads to Case, Before Firing	100 megohms

Specifications Continued	
Mechanical	
Size	See drawing
Weight	5 gm Max.
Stroke Length	5/8"
Output	4 in-lb torque @ 55° (900-1900 RPM)
Function Time	25.0 ms Max.
Environmental	
Temperature	Operating range: -65°F to +160°F (-54°C to +70°C) Temperature and humidity: 28 days per MIL-STD-331, Test No. 105.1
High Frequency Vibration	10-2000-10Hz, d.a. 0.15" (3.81 mm), 30 min/cycle, 1 cycle/plane, 3 mutually perpendicular planes.
Low-Frequency Vibration	MIL-STD-331, Test B1, para. B1.6.12
Jolt	MIL-STD-331, Test A1 para. A 1.2
Drop	40-ft-drop test, 3 axes
Chemical	
Energetic Compounds	Lead Styphnate LMNR/Black Powder
Freight Classification	
Shipping Name	Bellows Actuator
Hazard Classification	Unregulated

# EB-401-2



DIMENSIONS IN ( ) ARE IN MM



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